

FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty Docket No.: 55525501212	25
Application No.: 09/545,962	Or CEIVE
Applicant:: Major et al.	G 2 10
Filed: April 10, 2000	مران ا
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FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

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(Use several sheets if necessary)

Atty Docket No.: 555255012125
Application No.: 09/545,962

Applicant:: Major et al.

Filed: April 10, 2000

Group: 2153

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty Docket No.: 555255012125

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Application No.: 09/545,962

Applicant:: Major et al.

Filed: April 10, 2000

Group: 2153

(37 CFR 1.98(b)) U.S. PATENT DOCUMENTS

			Pat	ent Nu	mber			Issue Date	Patentee	Class	Subclass	Filing Date
	5	4	9	3	6	9	2	02/20/1996	Theimer et al.		1-1-	
	5	5	7	9	4	7	2	11/26/1996	Keyworth, II et al.	1-4-	1-1-1	
	5	6	2	7	8	2	9	05/06/1997	Gleeson et al.		1-1-1	
	5	7	4	2	9	0	5	04/21/1998	Pepe et al.			
	5	7	5	7	9	0	1	05/26/1998	Hiroshige			
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

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	OTHER DOCUMENTS (Including Author, Title, Date**, Relevant pages, Place of Publication***)
BE	"BlackBerry Technical White Paper," Research In Motion Ltd., Version 1.0, 1998-1999
ſ	Newsletter, "Battery Friendly Bulletin," Volume 1, Issue 3, pgs. 1-7 and unnumbered page, 1999
	Article, Comerford, "Handhelds Duke It Out for the Internet," Wireless Internet, pgs. 35-38 and 41, August 2000
	Press Detail, "Extended Systems and Motorola Bring Short-Range Wireless to the Paging E-volution," January 13, 2000 (3 pgs.)
	Press Detail, "3Com Corporation Licenses Bluetooth Technology from Extended Systems," February 22, 2000 (2 pgs.)
	Web site Article, Hawaleshka, "The Web in Your Pocket," Maclean's, May 15, 2000 (3 pgs.)
	Claxton, "Messaging API's for Voice Networks," Telecommunications, pgs. 116-120, 1998

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next

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communication to applicant.



FORM PTO-1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Document Number

Atty Docket No.: 555255012125	
Application No.: 09/545,962	
Applicant:: Major et al.	
Filed: April 10, 2000	

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6/17/02 **Date Considered** Bradley Rolehman Examiner

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FORM PTO 1219 (Modified)
U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

Atty Docket No.: 555255012125	
Application No.: 09/545,962	
Applicant: Major et al.	
Filed: April 10, 2000	

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Group:

Examiner Bradley Eddman

Date Considered

6/17/02

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB Under the Pape

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

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Complete if Known									
Application Number 09/545,962									
Filing Date	04/10/2000								
First Named Inventor	Harry Major								
Art Unit	2153								
Examiner Name	Edelman								
Attorney Docket Number	z555255012125								

			U.S. PATE	NT DOCUMENTS				
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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FORM PTO-1449 (Modeled)
U.S. DEPARTMENT OF COMMERCED PATENT AND TRADEMARK OF FICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)

Atty Docket No.:	555255012125	
Application No.:	09/545,962	
Applicant:	Major et al.	
Filed:	April 10, 2000	

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